

FACSIMILE TRANSMITTAL COVER SHEET

Date:	June 24, 1999	Fax No.:	308-7751
To:	Application Processing Division		
Firm/Company	U.S. PATENT AND TRADEMARK OFFICE		
Re:	09/302,375		
Your Ref:	Chapman et al. 13118	Total No. of Pages including cover sheet	2
From:	(x) Heather Rhodes, Secretary to Ralph A. Dowell () Ralph A. Dowell		

MESSAGE:

Forwarded herewith is the Official Filing Receipt issued by the U.S. Patent Office with respect to the above referenced application for patent. It was noted that there is a spelling error in the second inventor's name.

"Hsfang" should actually read "Hsiang".

It would be appreciated if the U.S. Patent Office would issue a corrected Official Filing Receipt reflecting this correction.

DOWELL & DOWELL, P. C.
Suite 309
1215 Jefferson Davis Highway
Arlington, Virginia 22202-3124
Telephone (703) 415-2555
Facsimile (703) 415-2559

CONFIDENTIAL NOTICE

The materials enclosed with this facsimile transmission are private and confidential and are the property of the sender. The information contained in the material is privileged and is intended only for the use of the individual(s) or entity(ies) named above. If you are not the intended recipient, be advised that any unauthorized disclosure, copying, distribution, or the taking of any action in reliance on the contents of this telecopied information is strictly prohibited. If you have received this facsimile transmission in error, please immediately notify us by telephone at (703) 415-2555 to arrange for return of the forwarded documents.

PTD-103X
(Rev. 8-95)

FILING RECEIPT



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTORNEY DOCKET NO.	DRWGS	TOT CL	IND CL
09/302,375	04/30/99	2731	\$1,552.00	13118	4	38	9

DOWELL & DOWELL PC
1215 JEFFERSON DAVIS HIGHWAY
SUITE 309
ARLINGTON VA 22202

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Application Processing Division's Customer Connection Branch within 10 days of receipt. Please provide a copy of the Filing Receipt with the changes noted thereon.

Applicant(s)

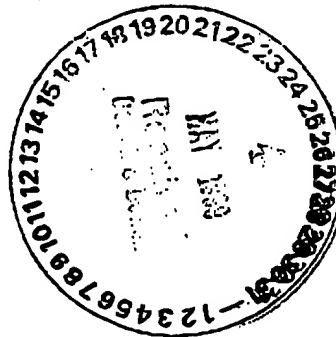
ALAN STANLEY JOHN CHAPMAN, KANATA, CANADA; HSIANG-TSUNG
KUNG, LEXINGTON, MA. HSIANG

IF REQUIRED, FOREIGN FILING LICENSE GRANTED 05/19/99

TITLE

METHOD AND APPARATUS FOR BANDWIDTH MANAGEMENT OF AGGREGATE DATA FLOWS

PRELIMINARY CLASS: 370



DATA ENTRY BY: STUART, VINCENT

TEAM: 03 DATE: 05/19/99

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00

FILE COPY

SERIAL NUMBER <p style="text-align: center;">09/302,375</p>	FILING DATE <p style="text-align: center;">04/30/99</p>	CLASS <p style="text-align: center;">370</p>	GROUP ART UNIT <p style="text-align: center;">2731</p>	ATTORNEY DOCKET NO. <p style="text-align: center;">13118</p>
---	---	--	--	--

APPLICANT

ALAN STANLEY JOHN CHAPMAN, KANATA, CANADA; HSIANG-TSUNG KUNG, LEXINGTON, MA.

****CONTINUING DOMESTIC DATA*******
VERIFIED

****371 (NAT'L STAGE) DATA*******
VERIFIED

****FOREIGN APPLICATIONS*******
VERIFIED

IF REQUIRED, FOREIGN FILING LICENSE GRANTED 05/19/99

Foreign Priority claimed <input type="checkbox"/> yes <input type="checkbox"/> no 35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance Verified and Acknowledged <u>Examiner's Initials</u> _____ <u>Initials</u> _____	STATE OR COUNTRY CAX	SHEETS DRAWING 4	TOTAL CLAIMS 38	INDEPENDENT CLAIMS 9
--	--------------------------------	----------------------------	---------------------------	--------------------------------

ADDRESS

DOWELL & DOWELL PC
 1215 JEFFERSON DAVIS HIGHWAY
 SUITE 309
 ARLINGTON VA 22202

TITLE

METHOD AND APPARATUS FOR BANDWIDTH MANAGEMENT OF AGGREGATE DATA FLOWS

FILING FEE RECEIVED <p style="text-align: center;">\$1,552</p>	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT NO. _____ for the following:	<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit
--	--	---